

Navdeep Singh

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

204
citations

1478505

6
h-index

1281871

11
g-index

41
all docs

41
docs citations

41
times ranked

134
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancing the transient performance and dynamic stability of microgrid using PI inertia injection controller. International Journal of Electrical Power and Energy Systems, 2022, 134, 107334.	5.5	5
2	Impact of variable negative solar resistance: modified virtual feed forwarded with feedback emulated inertia controller. International Journal of Ambient Energy, 2022, 43, 6511-6523.	2.5	2
3	Power Quality Issue, Solution and Analysis: DFIG. Recent Advances in Electrical and Electronic Engineering, 2022, 15, .	0.3	0
4	Investigating the frequency fault ride through capability of solar photovoltaic system: Replacing battery via virtual inertia reserve. International Transactions on Electrical Energy Systems, 2021, 31, e12791.	1.9	1
5	Small-signal modeling based hybrid optimized current and voltage controller for unbalanced <sc>DC</sc> microgrid. International Transactions on Electrical Energy Systems, 2021, 31, e12797.	1.9	6
6	Fuzzy Logic-Based Droop Controller for Parallel Inverter in Autonomous Microgrid Using Vectored Controlled Feed-Forward for Unequal Impedance. Journal of the Institution of Engineers (India): Series B, 2021, 102, 691.	1.9	4
7	Power Electronics for Solar Photovoltaic System: Configuration, Topologies, and Control. , 2021, , 235-263.		2
8	Self-Regulated Solar PV Systems: Replacing Battery via Virtual Inertia Reserve. IEEE Transactions on Energy Conversion, 2021, 36, 2185-2194.	5.2	13
9	Enhancing the dynamic performance of microgrid using derivative controlled solar and energy storage based virtual inertia system. Journal of Energy Storage, 2020, 31, 101613.	8.1	51
10	Hybrid modulation technique for improvement of Power Factor and Harmonic Distortion in 24 pulse AC-DC Converter. , 2020, , .		0
11	Hybrid trapezoidal modulation technique for conditioning of power quality and harmonic distortion based on D-statcom. , 2020, , .		0
12	Design of Optimal PID Controller for Varied System Using Teaching-Learning-Based Optimization. Algorithms for Intelligent Systems, 2020, , 153-163.	0.6	10
13	Small-signal stability analysis for two-mass and three-mass shaft model of wind turbine integrated to thermal power system. Computers and Electrical Engineering, 2019, 78, 271-287.	4.8	10
14	Photovoltaic Module Designing with Comparison of Different MPPT Techniques. Lecture Notes in Electrical Engineering, 2019, , 121-131.	0.4	1
15	Impact of PPAM for Power Modulation in Solar & Battery Bi-directional DC-DC Converter. , 2018, , .		2
16	Model Order Reduction of Power Plant System by Balanced Realization Method. , 2018, , .		1
17	Commutation Problem of Single Phase Matrix Converter with PWM Phase Shift Dead Time Technique. , 2018, , .		1
18	Evaluation & Analysis of MPPT Controller for PV Systems. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
19	Impact of Communication Delay on Load Frequency Control of Interconnected Power System. , 2018, , .		3
20	Melanoma Skin Cancer Detection Using Various Classifiers. , 2018, , .		9
21	Enhancement of Continuous-Stirred Tank Reactor System Using Jaya Algorithm. , 2018, , .		1
22	Solid State Transformer for Electrical System: Challenges and Solution. , 2018, , .		8
23	Analysis of Switching Topology for Advanced Isolated Bi- Directional DC-DC Converter. , 2018, , .		1
24	Reactive Power Compensation of Solid State Transformer for WECS. , 2018, , .		4
25	Voltage quality Compensation of DFIG with Series DVR (SDVR) Under three phase fault. , 2018, , .		5
26	Power control in centralized distributed AC load for wind energy system. Journal of Renewable and Sustainable Energy, 2017, 9, 033303.	2.0	4
27	Wind power grid interfacing using 3 level vs 5 level inverter with SEPIC converter. , 2017, , .		1
28	SEPIC converter with 3-level NPC multi-level inverter for wind energy system (WES). , 2017, , .		6
29	Performance of closed loop SEPIC converter with DC-DC converter for solar energy system. , 2017, , .		16
30	Delta-Modulated AC-AC Converter for PM WECS. IEEE Transactions on Industrial Informatics, 2015, 11, 1422-1434.	11.3	14
31	Single-stage AC-AC power conversion for WECS. International Journal of Electrical Power and Energy Systems, 2015, 64, 734-742.	5.5	6
32	A New Random SPWM Technique for AC-AC Converter-Based WECS. Journal of Power Electronics, 2015, 15, 939-950.	1.5	7
33	Control of single stage AC-AC converter for variable speed wind energy system. , 2014, , .		4
34	Performance improvement and loss minimization of variable to constant frequency AC/AC converter for wind energy system. , 2013, , .		1
35	Fuel cell based high frequency and soft switching DC-AC converter for remote area places. , 2013, , .		1
36	A survey on power quality improvement converter of PMSG. , 2013, , .		1

#	ARTICLE	IF	CITATIONS
37	Design and Control of DC/AC Microgrid With H-Bridge Multi-Level Inverter for Unbalance Loading. SSRN Electronic Journal, 0, , .	0.4	1
38	Power Converters at Different Conversion Stages for Renewable Energy System: Issues and Solutions. SSRN Electronic Journal, 0, , .	0.4	0
39	Effect of Parameter Variation on Frequency Response of VSG Controlled PMSC System. SSRN Electronic Journal, 0, , .	0.4	0